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CLAIMS

1. Steadying device on a support of a panel (P), in an appreciably
5 vertical position, perpendicularly to the thrust (F1) of a fluid and to the
support (S), characterized in that it includes at least two support arms (4
to 7, 12, 13, 33), located on one side and of the opposite side of panel (P)
each of these arms having an extremity directly to panel P and the
opposite extremity linked to one extremity of an elastic device (14 to 17,
10 34) whose opposite extremity is interdependent with a removable
repositionable fastening device (18 to 21, 35) on support (S), the elastic
devices (14 to 17, 34) being in a plan different from plan of panel P, in
such a way that when the fluid exerts a thrust on the panel, at least one
elastic mounting device undergoes a compression, and at least one
15 elastic mounting device undergoes an extension, while in this way
steadyding the panel in its initial position.

2. Device according to claim 1, characterized in that it includes at
least three elastic devices.

3. Device according to claim 1, characterized in that the three
20 elastic devices are springs.

4. Device according to claim 1, characterized in that the three
elastic devices are a piston-cylinder system.

5. Device according to any of the previous claims, characterized in
that the removable repositionable fastening device are magnets.

25 6. Device according to any of claims 1 to 5, characterized in that
the removable repositionable fastening devices are suction cups.

7. Device according to any of claims 1 to 5, characterized in that the support arms are L-forms with an appreciably triangular shape with one side interdependent with the panel.

5 8. Device according to any of claims 1 to 7, characterized in that two support arms are part of a support plate constituted by said arms coupled through their sides interdependent with panel.

9. Device according to any of claims 1 to 8, characterized in that the panel is chosen among a double-sided panel, a cylindrical panel.

10 10. Device according to any of claims 1 to 9, characterized in that the panel in cross section view forms a trapeze whose height is the device symmetry axis, whose large basis at both its extremities is interdependent with two elastic devices and whose sides are curved and concave.

15 11. Device according to any of claims 1 to 10, characterized in that the support is fix.

12. Device according to one of claims 1 to 11, characterized in that the support is mobile, is preferably the roof of a car.

Figure 11 represents a panel P that is intended to be placed on the ground which is therefore immobile.

Figure 12 represents a panel P that includes four support arms 51, 52, 53, 54 on an immobile vertical wall. Arms 52, 54 are located in a plan forward in relation to the vertical plan of panel P, whereas arms 51 and 53 are located in panel P vertical plan. When the wind blows and comes to hit against panel P, springs 56, 57, 58 placed at the arm extremities, are under compression, while spring 55 is in extension. If the wind blows in the opposite direction, spring 57 is in extension, and springs 55, 56, 58 are under compression. So wherever the wind's direction, the panel will remain vertical.

The device represented in figure 13 is somewhat different from the previous ones because panel P is not plane but cylindrical. It is intended to be fastened to the ground by means of four arms 61, 62, 63 and 64 which are interdependent with four springs 65, 66, 67, 68 attached to the ground by means of four suction cups 69, 70, 71, 72. When wind comes from any direction, it exerts a thrust on the cylinder and, as explained previously, two springs are then under compression and both other springs are in extension hence steadying panel P vertical.

In all the devices described above, springs have for additional function to maintain the lower edge of the panel away from the support, which also helps deviate part of the fluid trajectory and therefore decrease its force of impact on the panel.

The assembly represented in figures 16 and 17 is constituted of two devices according to this invention. One can see that the device includes a support arm 80 and two elastic mounting devices 81, 82 located at each extremity of support arm 80. The extremity of each elastic device 81, 82 is interdependent with a fastening device.